

Application No.: 09/995,938

5

Docket No.: 532792001400

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A method of producing a genetically modified plant having increased size as compared to a wild-type plant, comprising:

contacting a plant cell with at least one nucleic acid sequence encoding a brassinazole resistant polypeptide having an amino acid sequence exhibiting at least 80% identity to SEQ ID NO:6, said nucleic acid sequence operably associated with a promoter, to obtain a transformed plant cell;

producing a plant from said transformed plant cell; and selecting a plant exhibiting said increased size.

Claim 2 (Original): The method of Claim 1, wherein the contacting is by physical means.

Claim 3 (Original): The method of Claim 1, wherein the contacting is by chemical means.

Claim 4 (Original): The method of Claim 1, wherein the plant cell is selected from the group consisting of protoplasts, gamete producing cells, and cells which regenerate into whole plants.

Claim 5 (Original): The method of Claim 1, wherein the promoter is selected from the group consisting of a constitutive promoter and an inducible promoter.

Claim 6 (Currently Amended): The method of Claim 1, wherein said ~~brassinazole-resistant~~ polypeptide has an amino acid sequence exhibiting at least 90% identity to SEQ ID NO:6~~selected from the group consisting of SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8, and SEQ ID NO: 10.~~

Claim 7 (Currently Amended): The method of Claim 1, wherein said nucleic acid sequence is selected from the group consisting of: SEQ ID NO: 1, and SEQ ID NO: 2, ~~SEQ ID NO: 3, and SEQ ID NO: 9.~~

sf-1694546

Application No.: 09/995,938

6

Docket No.: 532792001400

Claim 8 (Currently Amended): A genetically modified plant exhibiting increased size in comparison to a wildtype plant, wherein said genetically modified plant comprises at least one exogenous nucleic acid sequence encoding a ~~brassinazole-resistant~~ polypeptide, wherein said polypeptide comprises an amino acid sequence with at least 80% sequence identity ~~homology~~ to SEQ ID NO :6.

Claim 9 (Currently Amended): The genetically modified plant of Claim 8, wherein the amino acid sequence exhibits ~~comprises~~ at least 85% sequence identity ~~homology~~ to SEQ ID NO:6.

Claim 10 (Currently Amended): The genetically modified plant of Claim 8, wherein the amino acid sequence exhibits ~~comprises~~ at least 90% sequence identity ~~homology~~ to SEQ ID NO:6.

Claim 11 (Currently Amended): The genetically modified plant of Claim 8, wherein the amino acid sequence exhibits ~~comprises~~ at least 95% sequence identity ~~homology~~ to SEQ ID NO:6.

Claim 12 (Original): The genetically modified plant of Claim 8, wherein the exogenous nucleic acid sequence is linked to a promoter selected from the group consisting of: a constitutive promoter and an inducible promoter.

Claim 13 (Currently Amended): The genetically modified plant of Claim 8, wherein said polypeptide ~~amino acid~~ has an amino acid sequence selected from the group consisting of SEQ ID NO: 6, and SEQ ID NO: 7, ~~SEQ ID NO: 8, and SEQ ID NO: 10.~~

Claim 14 (Currently Amended): The genetically modified plant of Claim 8, wherein said exogenous nucleic acid sequence has a sequence selected from the group consisting of SEQ ID NO: 1, and SEQ ID NO:2, ~~SEQ ID NO: 3, and SEQ ID NO: 9.~~

Claim 15 (Original): The genetically modified plant of Claim 8, wherein the plant is a dicotyledonous plant.

Claim 16 (Original): The genetically modified plant of Claim 8, wherein the plant is a monocotyledonous plant.

sf-1694546

Application No.: 09/995,938

7

Docket No.: 532792001400

Claim 17 (Currently Amended): A genetically modified seed, wherein said seed produces a plant exhibiting increased size in comparison to a wildtype plant, wherein said genetically modified seed comprises at least one exogenous nucleic acid sequence encoding a ~~brassinazole-resistant~~ polypeptide, wherein said polypeptide comprises an amino acid sequence with at least 80% sequence identity ~~homology~~ to SEQ ID NO :6.

Claim 18 (Currently Amended): The genetically modified seed of Claim 17, wherein the amino acid sequence exhibits ~~comprises~~ at least 85% sequence identity ~~homology~~ to SEQ ID NO:6.

Claim 19 (Currently Amended): The genetically modified seed of Claim 17, wherein the amino acid sequence exhibits ~~comprises~~ at least 90% sequence identity ~~homology~~ to SEQ ID NO:6.

Claim 20 (Currently Amended): The genetically modified seed of Claim 17, wherein the amino acid sequence exhibits ~~comprises~~ at least 95% sequence identity ~~homology~~ to SEQ ID NO:6.

Claim 21 (Original): The genetically modified seed of Claim 17, wherein the exogenous nucleic acid sequence is linked to a promoter selected from the group consisting of: a constitutive promoter and an inducible promoter.

Claim 22 (Currently Amended): The genetically modified seed of Claim 17, wherein said polypeptide ~~amino acid~~ has an amino acid sequence selected from the group consisting of SEQ ID NO: 6, and SEQ ID NO: 7, ~~SEQ ID NO: 8, and SEQ ID NO: 10.~~

Claim 23 (Currently Amended): The genetically modified seed of Claim 17, wherein said exogenous nucleic acid sequence has a sequence selected from the group consisting of SEQ ID NO: 1, and SEQ ID NO: 2, ~~SEQ ID NO: 3, and SEQ ID NO: 9.~~

Claim 24 (Canceled).

Claim 25 (Currently Amended): A nucleic acid molecule comprising a nucleotide sequence encoding a bzrl-D polypeptide having the amino acid sequence of SEQ ID NO: 7.

sf-1694546

Application No.: 09/995,938

8

Docket No.: 532792001400

Claim 26 (Currently Amended): The nucleic acid of Claim 25, wherein said nucleic acid molecule comprises the nucleotide sequence of SEQ ID NO: 2.

Claim 27 (Canceled).

sf-1694546